
TEAM 7

**RupiApp Banking
SYNRGY Batch 7
Test Plan
Version 2.0**

Revision History

Date	Version	Description	Author
28/8/2024	2.0	API Testing, Load Testing and Web UI Automation Testing	Team 7

Table Of Content

Test Plan..... 4

1. Introduction..... 4

1.1. Objectives..... 4

1.2. Team Members..... 5

2. Scope Of Testing..... 6

2.1. Feature to be Tested..... 6

2.2. Feature not to be Tested..... 6

2.3. Test Type..... 6

3. Test Approach..... 7

4. Test Environment..... 8

5. Project Milestone..... 8

5.1. Test Schedule..... 8

5.2. Deliverables..... 8

Test Plan

1. Introduction

A Test Plan document is a document that details all aspects of software testing planning and execution. This document is used as a guide to ensure that all testing activities comply with the specified requirements and objectives. The main purpose of this testing is to ensure that the application is accessible and usable by all users, especially those with special needs, so that they can perform banking transactions independently and securely. Testing involves checking all software modules, business processes, interface interactions, software performance, and relationships between pages in the source code.

1.1. Objectives

The testing plan will include both manual and automated testing methods.

a. Manual Test

The tester will conduct manual testing without the aid of tools and scripts to find errors, bugs, and other issues that may not be detected by automated testing. Manual testing allows the tester to identify problems that may arise from complex interactions between features. The purpose of manual testing is to ensure that all features and functions of the software meet the requirements and work according to the specifications and user needs as expected. Additionally, it ensures that the software is usable by everyone, including those with special needs or physical limitations.

b. Automation Test

The tester will use specialized tools to run a series of automated tests on the software. Automated testing can be used to compare expected results with actual results, so we can see whether the system is running as expected. The purpose of using automated testing is to enhance the efficiency and effectiveness of software testing, especially when there is a need to test the same features repeatedly, as automated testing can be performed more frequently and faster than manual testing, saving time. Additionally, automated testing can ensure that new changes or feature additions do not disrupt existing functionality.

1.2. Team Members

Resource Name	Role
Muhammad Nur Irfan Wahyudi	Project Manager
Zhafira Zafitri	UI/UX
Sigmatara Mahtiar Rana	UI/UX
Surya Lugman Fathullah	Android
Yahya Dian Prasetyo	Android
Yauw James Fang Dwiputra H	Android
Salman Hamdani	Android
Christopher Ade Wijayanto	Android
Desendo Imanuel	Back End Java
Muhammad Raihan Arrasyid	Back End Java
Muhammad Thamyis Nur Abbadi	Back End Java
Abdul Hamid Sodik	Back End Java
Rahmi Anisa	Back End Java
Bintang	Full Stack Web
Jeni	Full Stack Web
Resa Auliana	Full Stack Web
M. Aji Solahudin	Full Stack Web
Rizal Efendi	Full Stack Web
Daffa Zulqisthi	Full Stack Web
Ido Suranta Pandapotan Munthe	Full Stack Web
Muhammad Esa Nurrahman	Full Stack Web
Muhammad Razin Syakib	Full Stack Web
Annisa Fitriatuzzahra	Full Stack Web
Anggit Astriani	Quality Assurance
Muhammad Fadli Maulana	Quality Assurance
Zulfikar Hilman Prayoga	Quality Assurance

2. Scope Of Testing

This document focuses solely on applications designed for mobile and web platforms that facilitate inter-bank balance transfers. The scope of testing includes the user interface, performance, security, and accuracy of the developed software. Additionally, every form within the software will be tested. The testing will be conducted exclusively by testers. The main features of the application include:

2.1. Feature to be Tested

Outline the items, features, and functions that will be tested, as specified in the Product Requirements Document.

Testing Phase	Test Item	Applicable Roles
Automation Testing	Login	User
	Transfer	User
	Mutasi Rekening	User
	QR Terima Transfer	User
	Tarik & Setor Tunai	User
	Notifikasi	User
API Testing	All Endpoint	Tester
Performance Testing	All Endpoint	Tester

2.2. Feature not to be Tested

These features will not be tested because they are not included in the Product Requirements Document.

- 1) System Security
- 2) Setting User
- 3) QRIS

2.3. Test Type

Testing By	Testing Type
Execution	Automation Testing
Scope	Performance Testing
Functionality	UI Testing
	Integration Testing
	API Testing

3. Test Approach

The project follows an agile methodology with weekly iterations. At the end of each week, the requirements identified for that iteration will be delivered to the team for testing.

Exploratory testing will be a significant aspect of the process since the team is unfamiliar with this type of tool and will learn as they proceed. Tests for planned functionalities will be developed and added to TCT as we receive new iterations of the product.

Category	Description
Testing Purposes	The main aim of this test is to validate the system as a whole and ensure that the integration process and performance of each feature on the mobile banking platform meet the required standards.
Scope of Testing	All the main features of the mobile banking application include login, balance checking, QRIS payments, QR receive transfers, transfers to other accounts, checking account movements, and platform interface responsiveness on various devices.
Testing Methodology	Testing is carried out using two methods: manual and automated. Manual testing is conducted to evaluate user interface feedback, while automated testing is performed for regression and performance testing.
Testing Environment	Manually execute the test cases and document the results. If a test case fails, record the details of the failure for use in debugging.
Type of Testing	Two types of testing are used: functional testing and non-functional testing. Functional testing involves executing test data to verify that the software's functions are operating correctly, with test data derived from software specifications. Non-functional testing involves using test data to assess various elements of the software program, such as application performance and usability.
Test Plan	For each scenario, develop detailed test cases. Each test case should outline the test steps, expected results, and actual results.
Testing Passing Criteria	All software functional requirements are met and software performance is in

4. Test Environment

Device	OS Version	Browser
Android 13	Windows 11	Google Chrome

5. Project Milestone

5.1. Test Schedule

No	Activity	Execution Time							
		July				August			
		1	2	3	4	1	2	3	4
1	Planning sprint 1								
2	Test Plan								
3	Planning sprint 2								
4	RTM & Test case								
5	Manual test API								
6	Plannin sprint 3								
7	Automation test & repository								
8	Bug report & test report								

5.2. Deliverables

Deliverable	For	Date / Milestone
Test Plan	Project Manager; QA Director; Test Team	19- 07-2024
Test Results	Project Manager	19- 07-2024
Test Status report	QA Manager, QA Director	19- 07-2024
Metrics	All team members	19- 07-2024